

EAST Search History

EAST Search History (Prior Art)

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|---------------------|
| L1 | 1 | "5828064".pn. | US-PGPUB; USPAT; USOCR | AND | ON | 2009/12/05 16:47 |
| S3 | 41 | (ion or electron) with (emit or emission) and beam and (cathode or anode). ab. and differential with pumping | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/12/04 18:11 |
| S4 | 50 | ("3405263" "3809899").PN. OR ("4139773").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2009/12/04 18:14 |
| S5 | 6209 | (ion or electron) with (gun or emission) with (extract\$3 or suppresor or cathode or anode) and (high with vacuum) | US-PGPUB; USPAT; USOCR | AND | ON | 2009/12/04 18:24 |
| S6 | 679 | S5 and (vacuum with (pumping or differential or "levels of")) | US-PGPUB; USPAT; USOCR | AND | ON | 2009/12/04 18:24 |
| S7 | 284 | S5 and (vacuum with (differential or "levels of")) | US-PGPUB; USPAT; USOCR | AND | ON | 2009/12/04 18:24 |
| S8 | 6542 | (ion or electron) with (gun or emission) with (extract\$3 or suppresor or cathode or anode) and (high with vacuum) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | AND | ON | 2009/12/04 18:25 |
| S9 | 284 | S5 and (vacuum with (differential or "levels of")) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | AND | ON | 2009/12/04 18:25 |

| | | | | | | |
|-----|------|--|--|-----|----|---------------------|
| S10 | 179 | S9 and @ay< "2005" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | AND | ON | 2009/12/04 18:26 |
| S11 | 6 | ("3678333" "3881125" "4833362").PN. OR ("5150001").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2009/12/04 18:38 |
| S12 | 19 | ("2253542" "2991362" "3363098" "3809899").PN. OR ("4066905").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2009/12/04 18:43 |
| S13 | 8 | (emitter or emission or emit) with3 (ion or electron or "charged particle") and (barrier or separat\$4 or chamber or (levels with vacuum)) and (electrode or cathode or anode) | US-PGPUB; USPAT; USOCR | AND | ON | 2009/12/04 18:56 |
| S14 | 6 | 313/230.ccls. and 313/545.ccls. | US-PGPUB; USPAT; USOCR | AND | ON | 2009/12/04 19:01 |
| S15 | 890 | 313/249.ccls. | US-PGPUB; USPAT; USOCR | AND | ON | 2009/12/04 19:17 |
| S16 | 118 | S15 and beam | US-PGPUB; USPAT; USOCR | AND | ON | 2009/12/04 19:18 |
| S17 | 512 | 313/283.ccls. | US-PGPUB; USPAT; USOCR | AND | ON | 2009/12/04 19:19 |
| S18 | 3820 | 313/293-304.ccls. | US-PGPUB; USPAT; USOCR | AND | ON | 2009/12/04 19:19 |
| S19 | 639 | S18 and beam and electron | US-PGPUB; USPAT; USOCR | AND | ON | 2009/12/04 19:20 |
| S20 | 116 | S16 and electron | US-PGPUB; USPAT; USOCR | AND | ON | 2009/12/04 19:20 |
| S21 | 699 | 313/312.ccls. | US-PGPUB; USPAT; USOCR | AND | ON | 2009/12/04 19:20 |
| S22 | 694 | 313/324.ccls. | US-PGPUB; USPAT; USOCR | AND | ON | 2009/12/04 19:21 |
| S23 | 601 | 313/352.ccls. | US-PGPUB; USPAT; USOCR | AND | ON | 2009/12/04 19:22 |

| | | | | | | |
|-----|------|--|--|-----|----|------------------|
| S24 | 0 | electrode with attached with casing with ("250".clas. or "313".clas. or "315.clas") | US-PGPUB; USPAT; USOCR | AND | ON | 2009/12/04 19:30 |
| S25 | 1080 | electrode with attach\$4 with (casing or chamber or wall) and ("250".clas. or "313".clas. or "315.clas") | US-PGPUB; USPAT; USOCR | AND | ON | 2009/12/04 19:30 |
| S26 | 200 | electrode with attach\$4 with (casing or (chamber with wall)) and ("250".clas. or "313".clas. or "315.clas") | US-PGPUB; USPAT; USOCR | AND | ON | 2009/12/04 19:31 |
| S27 | 2 | ("2516704").URPN. | USPAT | AND | ON | 2009/12/04 19:39 |
| S28 | 2759 | 250/306,309-311.ccls. | USPAT | AND | ON | 2009/12/04 19:41 |
| S29 | 2154 | 250/397-400.ccls. | USPAT | AND | ON | 2009/12/04 19:42 |
| S35 | 123 | 250/430.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2009/12/04 19:44 |
| S36 | 5619 | S15 or S17 or S18 or S21 or S22 orl S23 | US-PGPUB; USPAT; USOCR | AND | ON | 2009/12/04 19:46 |
| S37 | 2999 | S36 and (anode or cathode or electrode) | US-PGPUB; USPAT; USOCR | AND | ON | 2009/12/04 19:46 |
| S38 | 1195 | S37 and vacuum | US-PGPUB; USPAT; USOCR | AND | ON | 2009/12/04 19:46 |
| S39 | 379 | S38 and (multiple or two or many or several or differential or second) with (vacuum or pump or exhaust) | US-PGPUB; USPAT; USOCR | AND | ON | 2009/12/04 19:47 |
| S40 | 122 | S39 and beam | US-PGPUB; USPAT; USOCR | AND | ON | 2009/12/04 19:47 |

| | | | | | | |
|-----|-------|---|--|-----|----|---------------------|
| S41 | 4457 | S28 or S29 or S35 | US-PGPUB; USPAT; USOCR | AND | ON | 2009/12/04 19:53 |
| S42 | 1217 | S41 and extract\$3 | US-PGPUB; USPAT; USOCR | AND | ON | 2009/12/04 19:53 |
| S43 | 323 | S42 and beam with column | US-PGPUB; USPAT; USOCR | AND | ON | 2009/12/04 19:53 |
| S44 | 873 | S42 and @ay<"2005" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | AND | ON | 2009/12/04 19:54 |
| S45 | 142 | S44 and (multiple or two or many or several or differential or second) with (vacuum or pump or exhaust) | US-PGPUB; USPAT; USOCR | AND | ON | 2009/12/04 19:54 |
| S46 | 28641 | differential with pump\$3 | US-PGPUB; USPAT; USOCR | AND | ON | 2009/12/04 20:01 |
| S47 | 3172 | differential with pump\$3 with vacuum | US-PGPUB; USPAT; USOCR | AND | ON | 2009/12/04 20:02 |
| S48 | 2897 | S47 and (chambers or sections) | US-PGPUB; USPAT; USOCR | AND | ON | 2009/12/04 20:02 |
| S49 | 1421 | S48 and (electron or ion or "charged particle") | US-PGPUB; USPAT; USOCR | AND | ON | 2009/12/04 20:02 |
| S50 | 879 | S49 and beam | US-PGPUB; USPAT; USOCR | AND | ON | 2009/12/04 20:03 |
| S51 | 138 | S50 and emitter | US-PGPUB; USPAT; USOCR | AND | ON | 2009/12/04 20:03 |
| S52 | 700 | S20 or S10 or S9 or S26 or S40 | US-PGPUB; USPAT; USOCR | AND | ON | 2009/12/04 20:04 |
| S53 | 65 | S51 not S52 | US-PGPUB; USPAT; USOCR | AND | ON | 2009/12/04 20:04 |
| S54 | 64 | (beam with limit with aperture) with (voltage or charge or bias or potential) | US-PGPUB; USPAT; USOCR | AND | ON | 2009/12/04 20:10 |
| S55 | 56 | S54 not S52 | US-PGPUB; USPAT; USOCR | AND | ON | 2009/12/04 20:10 |
| S56 | 16 | S55 and @ay<"2005" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | AND | ON | 2009/12/04 20:10 |

| | | | | | | |
|-----|-----|---|------------------------|-----|----|------------------|
| S57 | 413 | (beam with (limit \$3 or shap\$3) with aperture) with (voltage or charge or bias or potential) and @ay<"2005" | US-PGPUB; USPAT; USOCR | AND | ON | 2009/12/04 20:12 |
| S58 | 403 | S57 not S52 | US-PGPUB; USPAT; USOCR | AND | ON | 2009/12/04 20:12 |
| S59 | 202 | S58 and "250". clas. | US-PGPUB; USPAT; USOCR | AND | ON | 2009/12/04 20:12 |
| S60 | 27 | (beam with (limit \$3 or shap\$3) with aperture) with (apply or applying or application) with (voltage or charge or bias or potential) and @ay<"2005" and "250".clas. not S52 | US-PGPUB; USPAT; USOCR | AND | ON | 2009/12/04 20:13 |
| S61 | 27 | (beam with (limit \$3 or shap\$3) with aperture) with (apply or applying or application) with (voltage or charge or bias or potential) and @ay<"2005" and "250".clas. not S52 | US-PGPUB; USPAT; USOCR | AND | ON | 2009/12/04 20:13 |

EAST Search History (I nterference)

< This search history is empty>

12/ 5/ 2009 5:11:55 PM

C:\ Documents and Settings\ bpurinton\ My Documents\ EAST\ Workspaces\ 10571519v2. wsp